1848MNRAS...8..206C

HAMBURG. Equatoreal. (M. Rümker.)

1848.	Hamburg M.T.	R.A.	Decl.	No. of Obs.
	m h s	m h s	° ′ ″	
July 27	13 54 57·8	325 19 55·5	−13 15 14·3	5
29	12 20 38·2	324 57 25·4	25 46·7	11
30	11 35 28·1	46 4·1	30 48·3	20
Aug. 1	11 28 20·6	21 56·3	41 38·1	5
2	11 57 55·3	324 9 28·2	47 5·8	13
3	10 53 36·0	323 57 45·9	13 52 21·5	4
6	10 19 29·7	20 19·4	14 9 9·2	6
7	10 46 28·7	323 7 6·3	14 46·1	16
9	12 51 51·9	322 40 7·0	14 26 31·2	6
18	9 12 59·1	320 45 37·4	15 15 53·4 : :	
19	9 58 54·7	320 32 44·6	21 13·6	6
25	9 24 15·5	319 18 39·2	15 42 45·0	18
28	10 49 10·4	318 43 4·2	16 7 55·0	10
30	9 55 40·3	21 5·8	27 25·2	5
31	9 34 55·6	318 10 6·5	21 48·2	15
Sept. 4	9 15 57·0	317 28 43·0	39 11·3	20
5	9 53 56·5	317 18 50·5	−16 43 35·9	11

METIS.

CAMBRIDGE. Northumberland Equatoreal. (Prof. Challis.)

1848.	Greenwich M.T.	Appt R.A.	Log. $\frac{p}{P}$	Appt N.P.D.	Log. $\frac{q}{P}$	No. of Comps. R.A.	No. of Comps. N.P.D.	Star.
	h m s	h m s		° ′ ″				
June 7	11 49 31·8	14 20 17·80	+8·418	101 22 41·2	−9·937	6	6	*a*
13	12 7 0·6	18 4·12	8·504	26 46·2	9·929	6	6	*b*
22	10 54 0·3	16 29·67	8·435	101 41 8·8	9·937	6	6	*c*
July 5	10 59 17·1	17 49·83	8·534	102 17 27·7	9·926	1	1	*d*
	11 12 43·6	50·06	8·549	43·2	9·923	7	7	*e*
6	10 9 40·0	18 5·68	8·450	21 3·2	9·936	7	8	*e*
12	9 51 55·2	20 11·96	8·464	43 59·4	9·937	9	8	*f*
13	10 23 34·6	20 38·12	8·522	48 13·5	9·929	12	13	*f*
15	10 7 3·8	21 32·73	8·509	102 56 41·6	9·932	7	7	*f*
27	9 44 30·4	28 22·10	8·537	103 53 57·9	9·929	5	5	*g*
Aug. 4	9 21 36·9	14 34 55·43	8·542	104 36 55·8	9·929	5	5	*h*
	9 30 9·2	56·36	+8·553	54·4	−9·927	1	1	*i*

“ P is the equatoreal horizontal parallax, and *p*, *q*, are the corrections for parallax which are yet to be added to the apparent R.A. and N.P.D., the former expressed in seconds of time and the other in seconds of space. Hence the logarithms of *p* and *q* will be obtained by adding to the logarithms given in the above table,

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the logarithms of the equatoreal horizontal parallax for the respective times of observation.

The following are the reference-stars, the adopted places of which are taken from the catalogues cited:—

a	Bessel xiv. 424	*d*	Bessel xiv. 278	*g*	Bessel xiv. 512
b	B.A.C. 4772	*e*	— xiv. 280	*h*	— xiv. 596
c	Bessel xiv. 259	*f*	B.A.C. 4787	*i*	— xiv. 701

PETERSEN'S COMET.

On the 7th of August, about 14h, Dr. Petersen discovered a telescopic comet in *Auriga*. "The comet was small, but pretty well defined, bright and good to observe."

Observations.

Altona. Equatoreal. (Prof. Schumacher & Dr. Petersen.)

1848.	Altona M.T. h m s	R.A. h m s	Decl. ° ′ ″
August 7	14 32 16	6 14 57·2	
	14 46 13	15 0·3	+41 18 46::
10	13 20 43	31 22·3	38 49 0::
11	13 46 40	6 37 14·86	+37 51 50·8

Hamburg. Equatoreal. (M. Rümker.)

1848.	Hamburg M.T. h m s	R.A. ° ′ ″	Decl. ° ′ ″	No. of Obs.
August 11	13 45 21·2	99 18 27·8	+37 51 42·8	8
13	14 6 41·7	102 21 35·6	35 43 55·4	2
18	14 0 6·0	110 39 45·6	29 5 6·6	10
19	14 36 59·8	112 30 57·6	27 26 10·0	9
22	14 54 54·5	118 17 38·4	22 0 5·1	9
23	15 18 31·4	120 22 6·5	19 57 56·5	5
25	15 26 46·1	124 38 55·6	+15 39 58·1	1

The weather on the 25th was very unfavourable.

The following elements have been computed by M. Sonntag from Altona observations of August 11, 18, and 25, and by M. George Rümker from the Hamburg Observations of August 11, 19, and 23:—

	M. Sonntag.		M. G. Rümker.	
Per. Pass.	Sept. 8·07800, Berlin M.T.		Sept. 8·056005, Greenwich M.T.	
	° ′ ″		° ′ ″	
☊	212 8 35	M. Eq.	211 34 35·7	App. Eq.
π	311 4 16	Aug. 20.	310 34 36·1	Aug. 19.
i	85 59 33		84 28 22·0	
Log. q....	9·504496		9·50484748	
	Motion Retrograde.		Motion Retrograde.	

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